Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.   (Canceled).

2.   (Currently Amended) A method for controlling an operation of a compressor of a refrigerator, the method comprising:

varying a compression capacity of a compressor installed in a refrigerator by controlling a rotation direction of the compressor according to a load condition of the refrigerator, wherein the compression capacity of the compressor increases when the compressor is rotated in a first rotation direction with respect to a rotational axis of the compressor and decreases when the compressor is rotated in a second rotation direction that is opposite to the first rotation direction, and wherein the controlling the rotation direction of the compressor comprises:

<u>setting an operation range of a temperature sensor that senses a temperature inside the refrigerator according to the rotation direction of the compressor; and</u>

<u>sensing the temperature inside the refrigerator according to the set operation range;</u>

performing a defrosting operation when a temperature inside the refrigerator and a pre-set defrosting temperature are identical;

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when the defrosting operation is terminated, rotating the compressor in the first rotation direction, stopping the compressor, and rotating the compressor in the second rotation direction at pre-set time periods;

when an operation mode of the refrigerator is selected by a user, selecting the rotation direction of the compressor according to an amount of cooling air supply corresponding to the selected operation mode, and controlling a rotation speed of the compressor in the selected rotation direction by varying an operation frequency of the compressor based on a temperature inside the refrigerator;

when the operation mode of the refrigerator selected by the user is a power saving operation mode, rotating the compressor in the second rotation direction, and when the temperature inside the refrigerator is higher than a <u>first</u> pre-set temperature, rotating the compressor in the first rotation direction; and

when the operation mode of the refrigerator selected by the user is a standard operation mode, rotating the compressor in the first ~~operation~~ <u>rotation</u> direction, and when the temperature inside the refrigerator reaches ~~the~~ <u>a second</u> pre-set temperature, rotating the compressor in the second rotation direction.

3.-4.   (Canceled).

5.   (Previously Presented) The method of claim 2, further comprising:

when the compressor is rotated in the first rotation direction according to the operation

mode of the refrigerator, detecting a current applied to the compressor, and if the detected

current is greater than a pre-set reference current, rotating the compressor continuously in the

first rotation direction, and if the detected current is smaller than the reference current, turning

off the compressor; and

when the compressor is rotated in the second rotation direction according to the

operation mode of the refrigerator, detecting a current applied to the compressor, and if the

detected current is smaller than the pre-set reference current, rotating the compressor

continuously in the second rotation direction, and if the detected current is greater than the pre-

set reference current value, turning off the compressor.

6.   (Previously Presented) The method of claim 2, further comprising:

sensing the rotation direction of the compressor; and

if the rotation direction of the compressor needs to be changed according to a change of

a temperature of the refrigerator, stopping the operation of the compressor for a predetermined

time period and then changing the rotation direction of the compressor.

7.-8.   (Canceled).

9.   (Currently Amended) The method of claim 8 2, wherein when the compressor is rotated in the first rotation direction, the operation range of the temperature sensor is -0.5°C~+0.5°C.

10.   (Currently Amended) The method of claim 8 2, wherein when the compressor is rotated in the second rotation direction, the operation range of the temperature sensor is -0.3°C~+0.3°C.

11.   (Currently Amended) The method of claim 8 2, wherein a refrigerant amount of the refrigerating cycle of the refrigerator is set as an amount of a refrigerator of the compressor when the compressor is rotated in the second rotation direction.

12.   (Currently Amended) The method of claim 8 2, wherein a refrigerant amount of the refrigerating cycle of the refrigerator is calculated when a temperature of an evaporator of the refrigerator and a temperature of an entrance of the evaporator are identical while the compressor is being rotated in the second rotation direction, and the calculated refrigerant amount is set as a refrigerant amount of the compressor.

13.-35. (Canceled).

36.   (New) The method of claim 2, wherein the first pre-set temperature and the

second pre-set temperature are set by the user.

37.   (New) The method claim 36, wherein the first pre-set temperature is 4 °C.

38.   (New) The method of claim 37, wherein the second pre-set temperature is 6 °C.